Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Pre-AP Biology: Unit 4, DBA #2 Review**

Ms. OK

**Objectives Assessed:** Topic 2 (Photosynthesis), Learning Targets F-I

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*

***Note: Please also use the questions at the end of your Photosynthesis Guided Reading to prepare for your DBA!***

1. What is the role of chlorophyll in the light reactions? Where is chlorophyll found in the chloroplast?

2. What are stomata? How would increasing the number of stomata affect the amount of carbon dioxide taken in to a plant and the amount of oxygen gas sent out of the plant?

3. Why are plants called photoautotrophs?

4. Define endosymbiosis. List three pieces of evidence to indicate that chloroplasts arose by endosymbiosis?

5. What are three factors that could DECREASE the rate of photosynthesis in a plant?

6. Fill in the chart given below to compare the light vs. dark reactions.

|  |  |  |
| --- | --- | --- |
|  | **Light Reactions** | **Dark Reactions** |
| Starting Molecules (Reactants) |  |  |
| Ending Molecules (Products) |  |  |
| Location in the Chloroplast |  |  |
| Is light required? |  |  |

7. Label the parts of the chloroplast pictured below with the following terms: outer membrane, inner membrane, stroma, thylakoid, and granum.

